FOR OSC "ZETA860

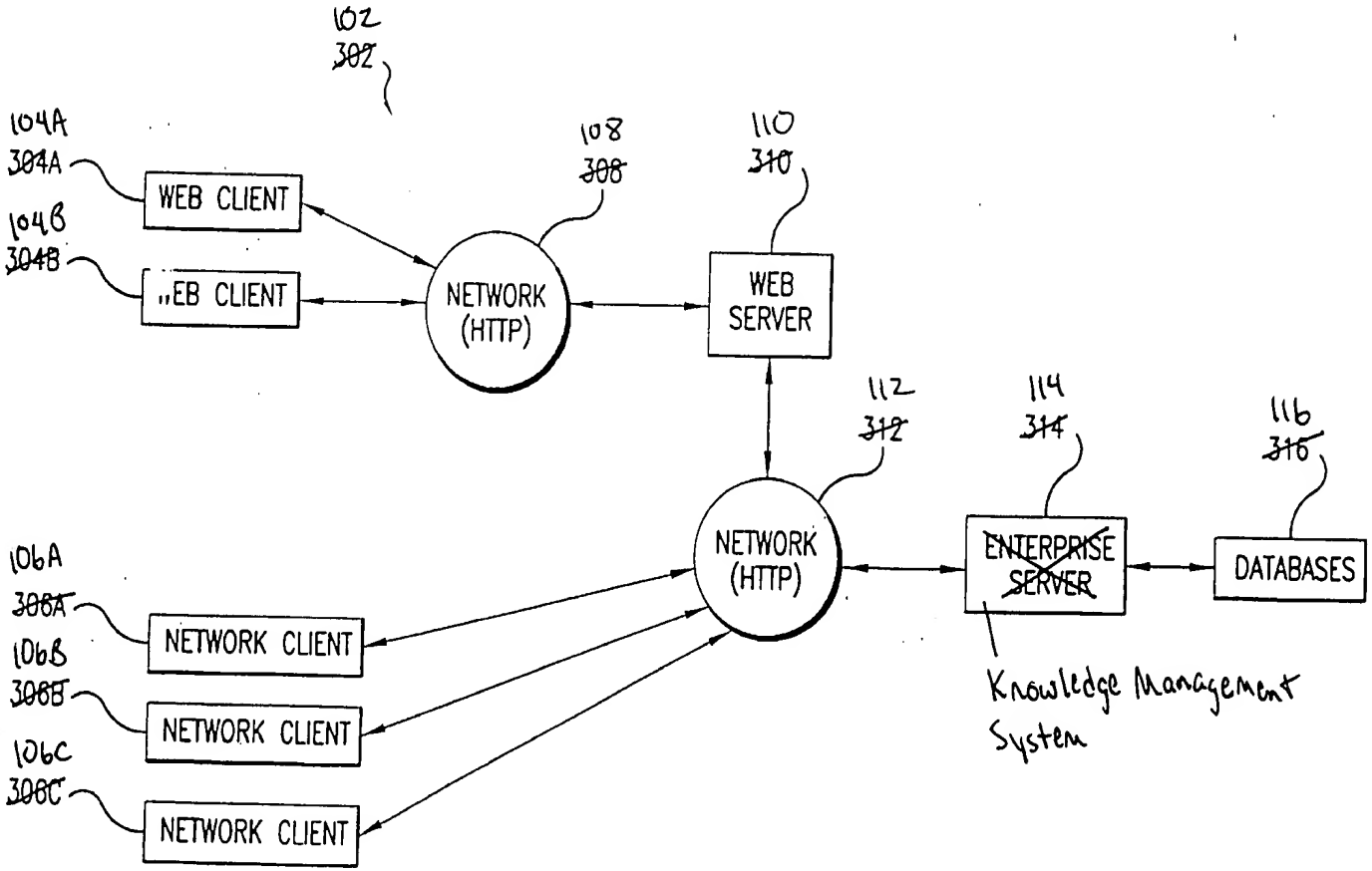


FIG. 3

Amazon Exhibit

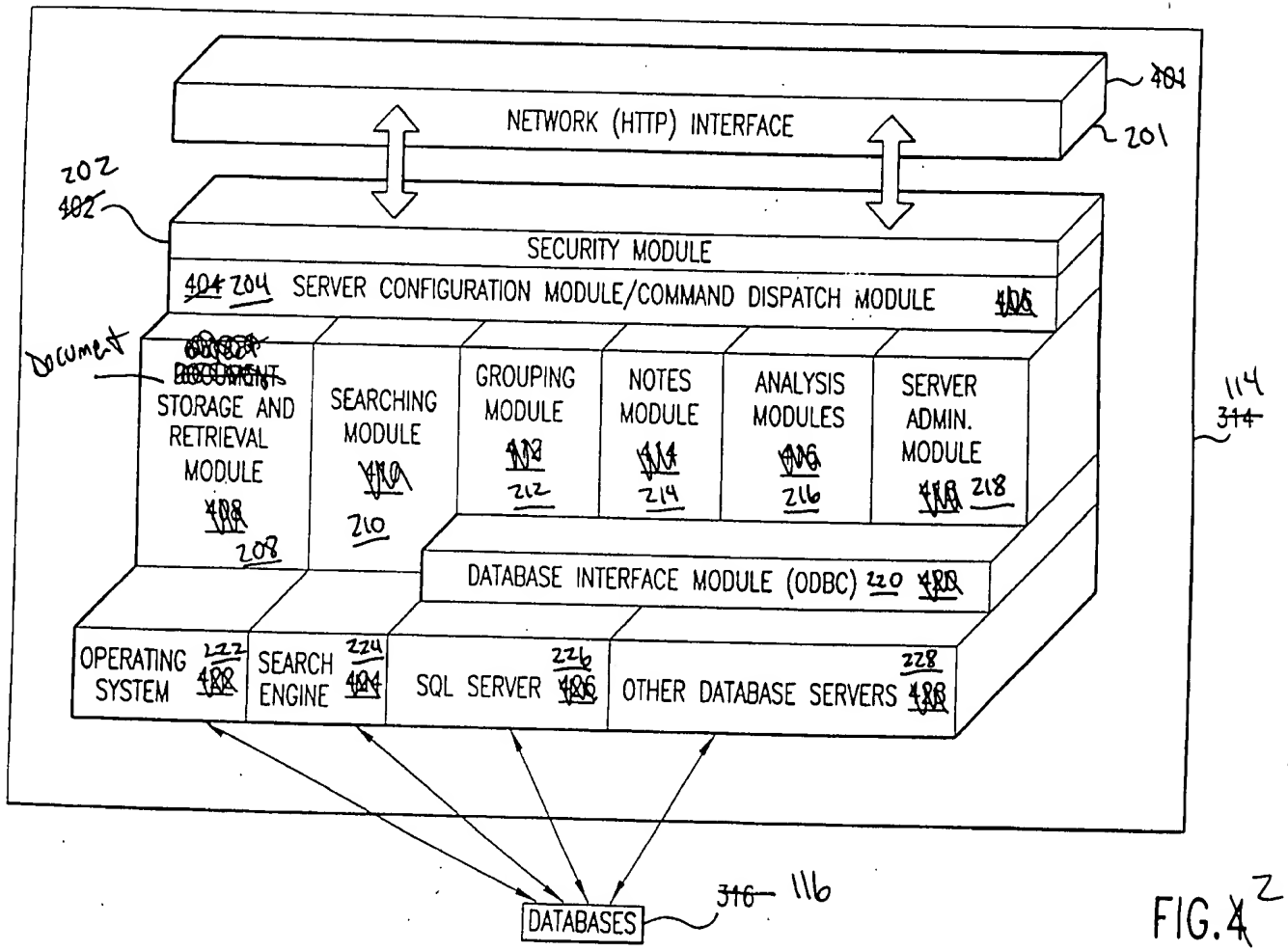


FIG. 2

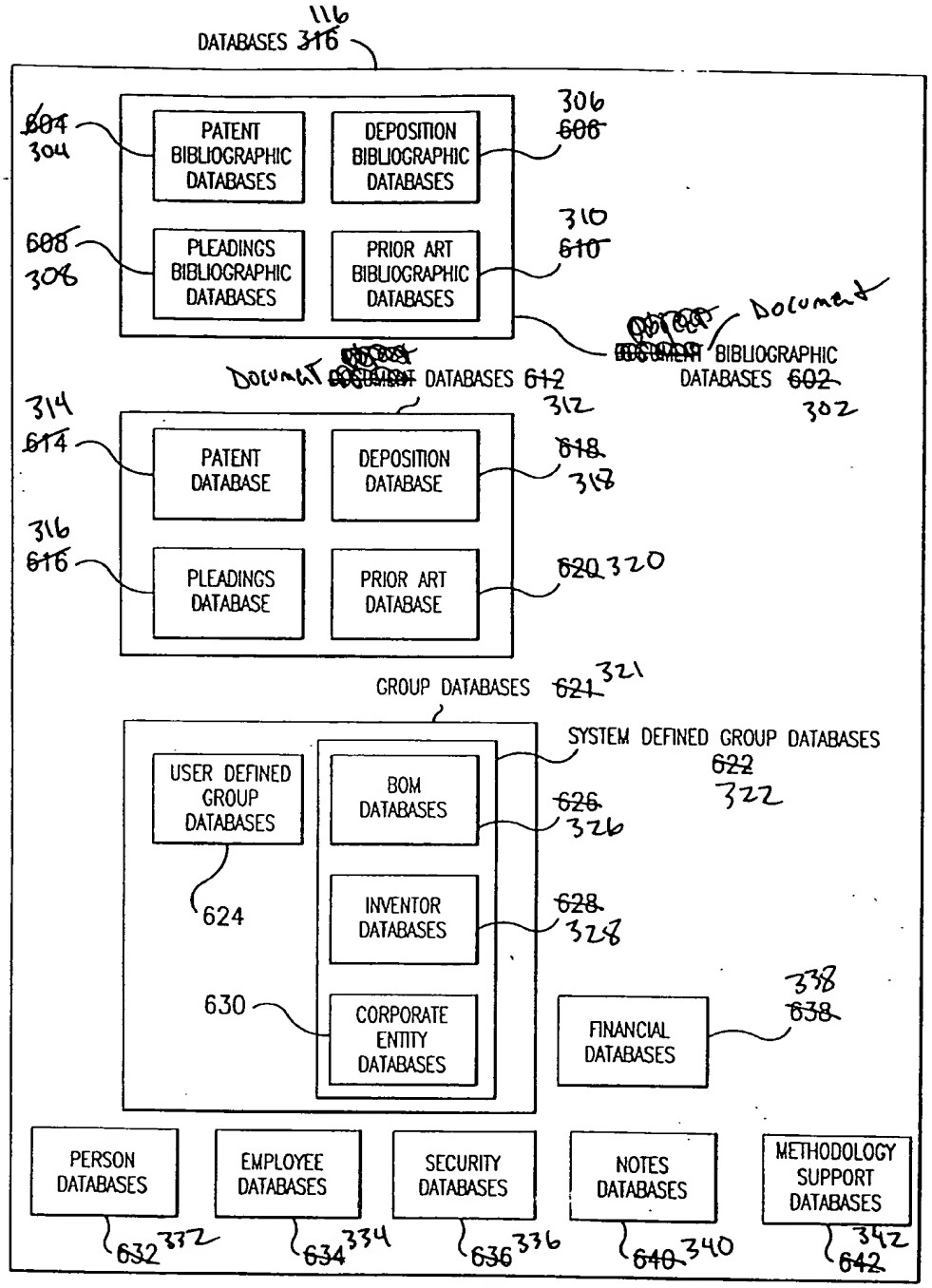

DATABASES 116
PATENT BIBLIOGRAPHIC DATABASES
DEPOSITION BIBLIOGRAPHIC DATABASES
PLEADINGS BIBLIOGRAPHIC DATABASES
PRIOR ART BIBLIOGRAPHIC DATABASES
DOCUMENT BIBLIOGRAPHIC DATABASES
PATENT DATABASE
DEPOSITION DATABASE
PLEADINGS DATABASE
PRIOR ART DATABASE
GROUP DATABASES
USER DEFINED GROUP DATABASES
SYSTEM DEFINED GROUP DATABASES
BOM DATABASES
INVENTOR DATABASES
CORPORATE ENTITY DATABASES
FINANCIAL DATABASES
PERSON DATABASES
EMPLOYEE DATABASES
SECURITY DATABASES
NOTES DATABASES
METHODOLOGY SUPPORT DATABASES

FIG. 6

3

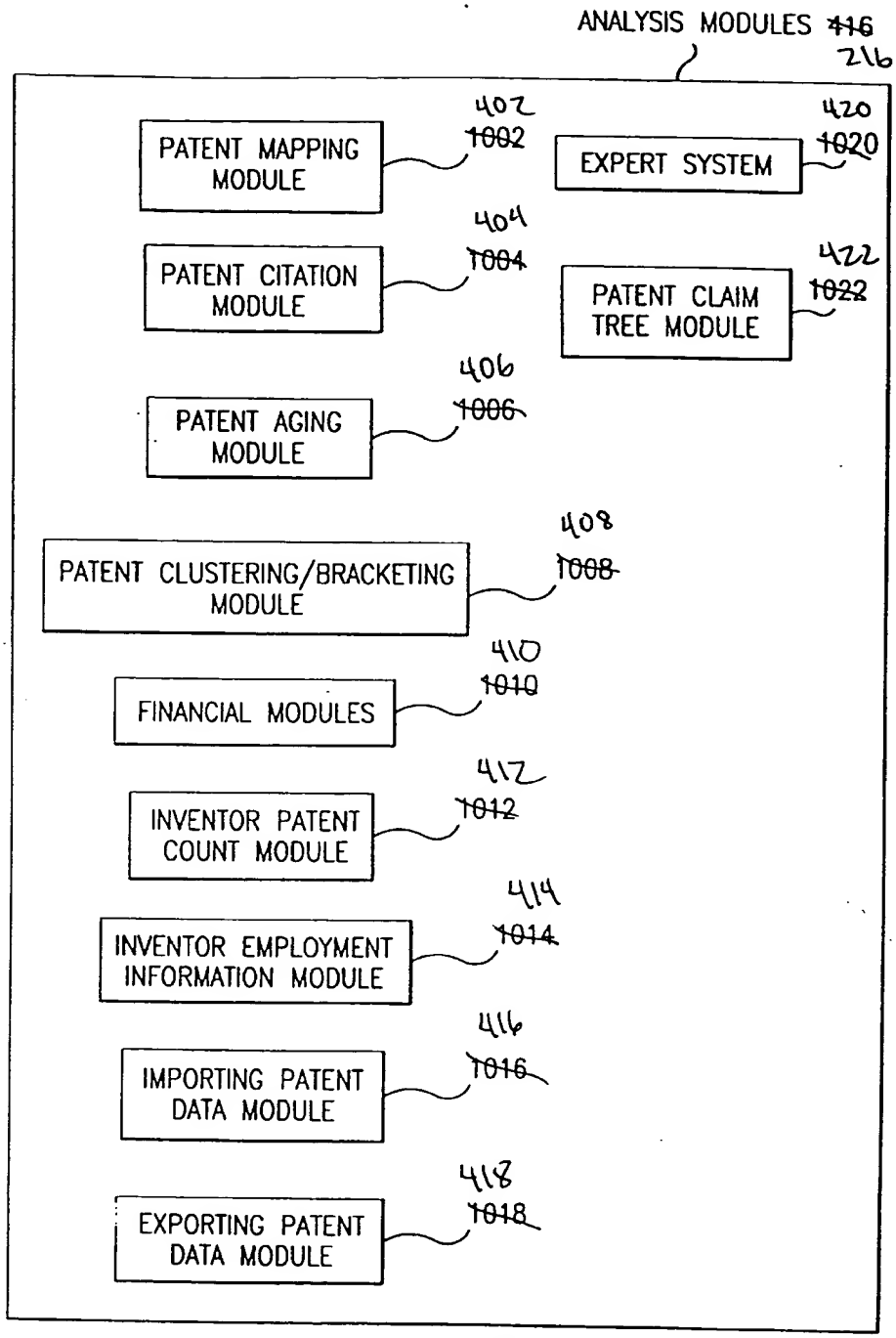

ANALYSIS MODULES 416 216
PATENT MAPPING MODULE 402 1002
EXPERT SYSTEM 420 1020
PATENT CITATION MODULE 404 1004
PATENT CLAIM TREE MODULE 422 1022
PATENT AGING MODULE 406 1006
PATENT CLUSTERING/BRACKETING MODULE 408 1008
FINANCIAL MODULES 410 1010
INVENTOR PATENT COUNT MODULE 412 1012
INVENTOR EMPLOYMENT INFORMATION MODULE 414 1014
IMPORTING PATENT DATA MODULE 416 1016
EXPORTING PATENT DATA MODULE 418 1018

FIG. 10
4

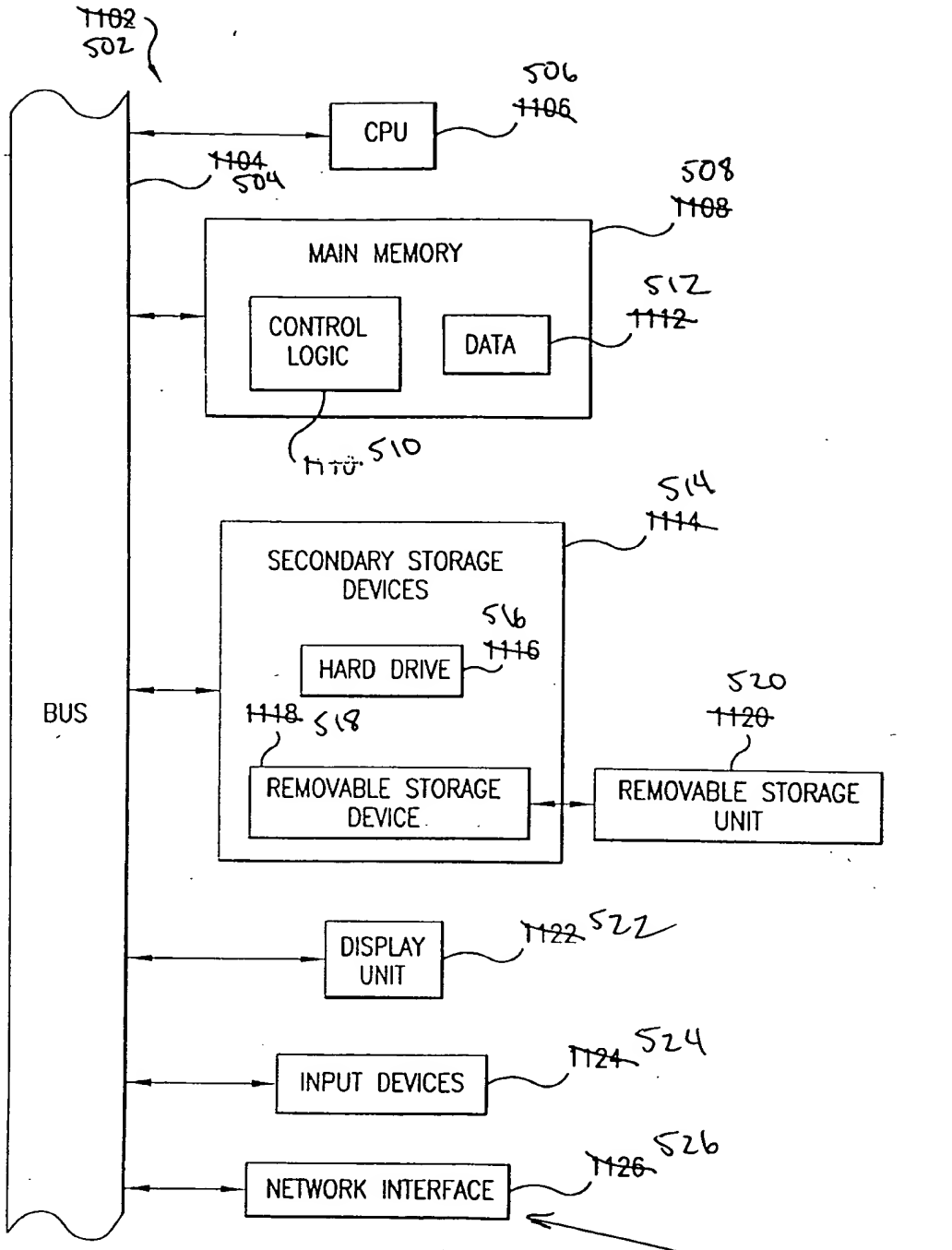

1102
502
506
1106
CPU
1104
504
508
1108
MAIN MEMORY
512
1112
CONTROL LOGIC
DATA
1110
510
514
1114
SECONDARY STORAGE DEVICES
516
1116
HARD DRIVE
520
1120
BUS
1118
518
REMOVABLE STORAGE DEVICE
REMOVABLE STORAGE UNIT
1122
522
DISPLAY UNIT
1124
524
INPUT DEVICES
526
1126
NETWORK INTERFACE
Signals 527

FIG. 11
5

PATENT - 2006-0050

602

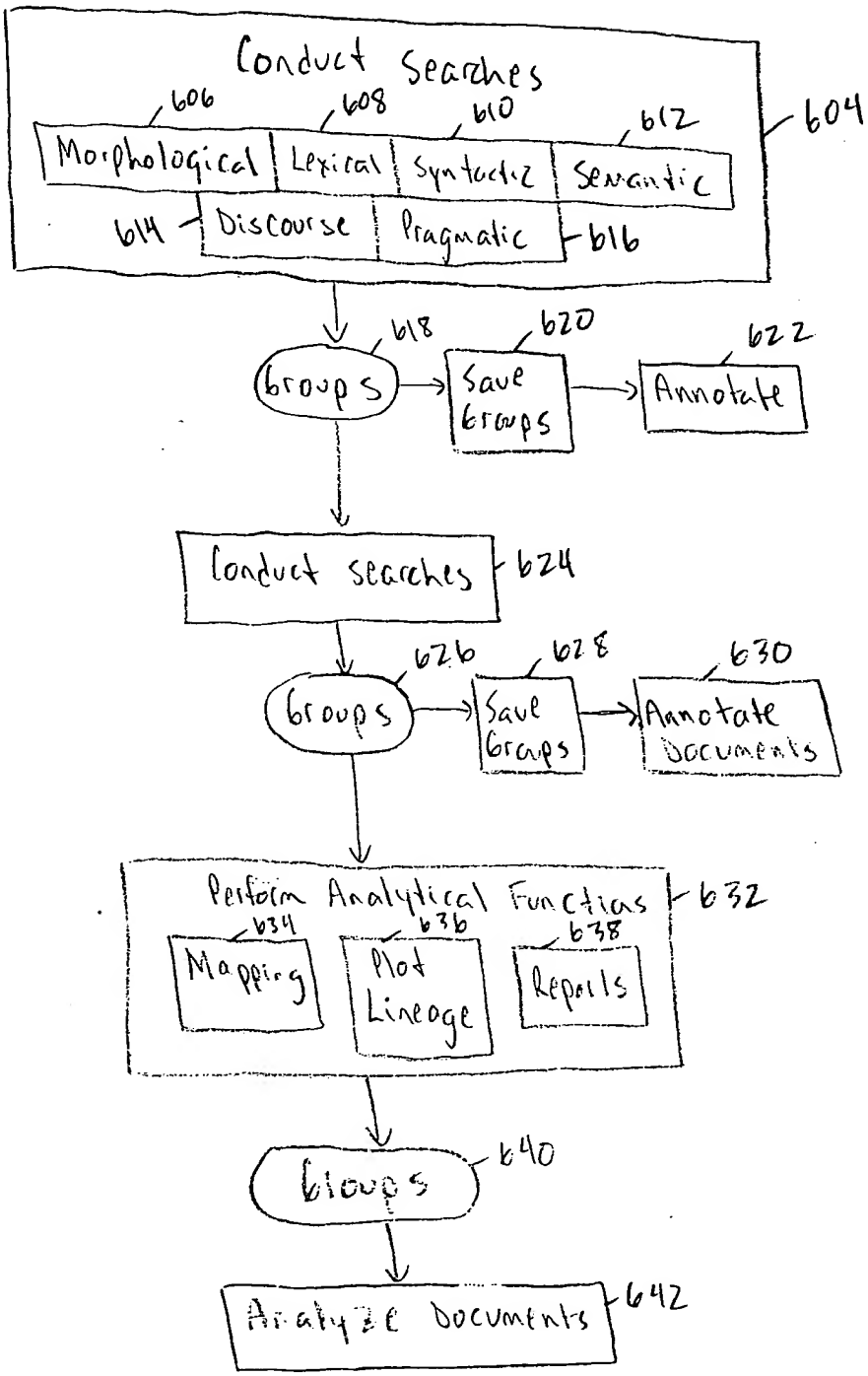


FIG. 6

Patent Application Publication Sep. 25, 2003 Sheet 7 of 9 US 2003/0182310 A1

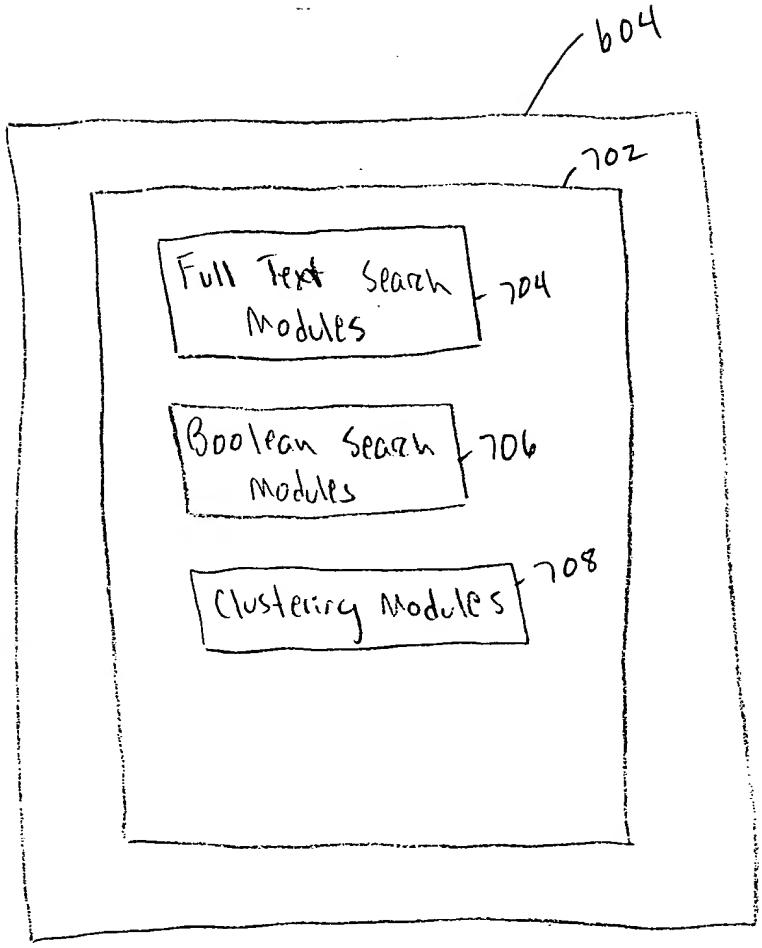


FIG. 7

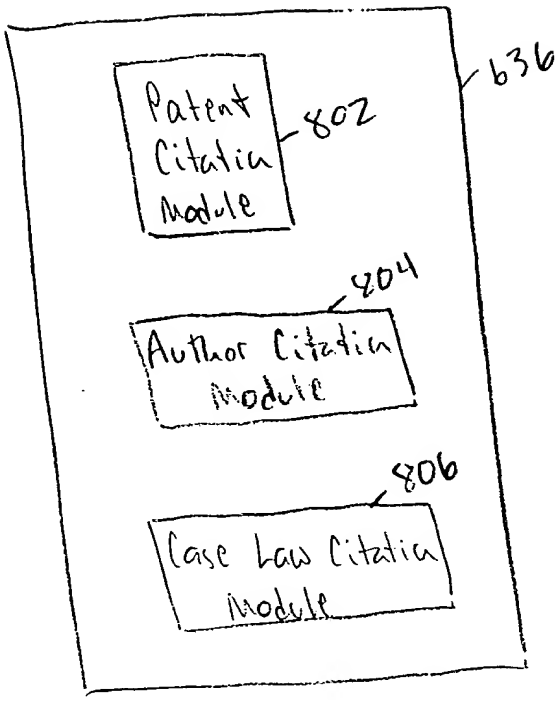


FIG. 8

PATENT - 2018+659

Patent Application Publication Jan. 29, 2009 Sheet 9 of 9 US 2009/0030894 A1

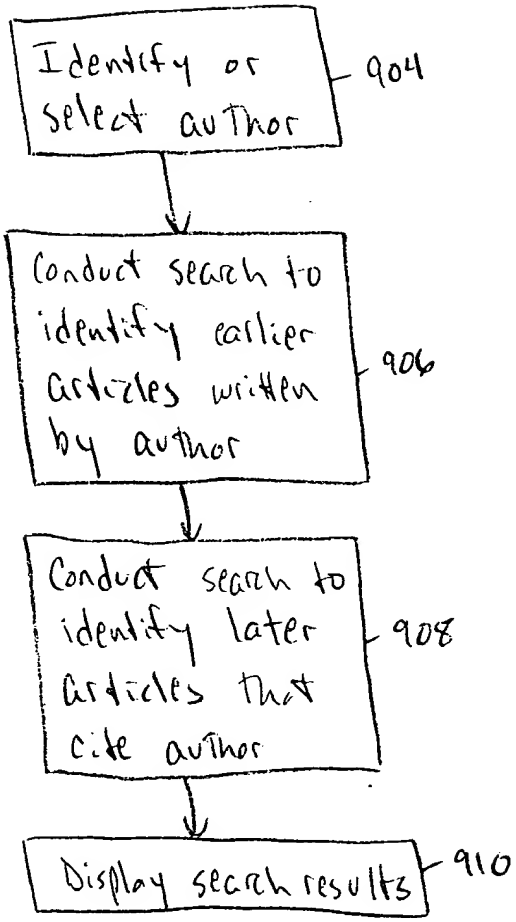


FIG. 9

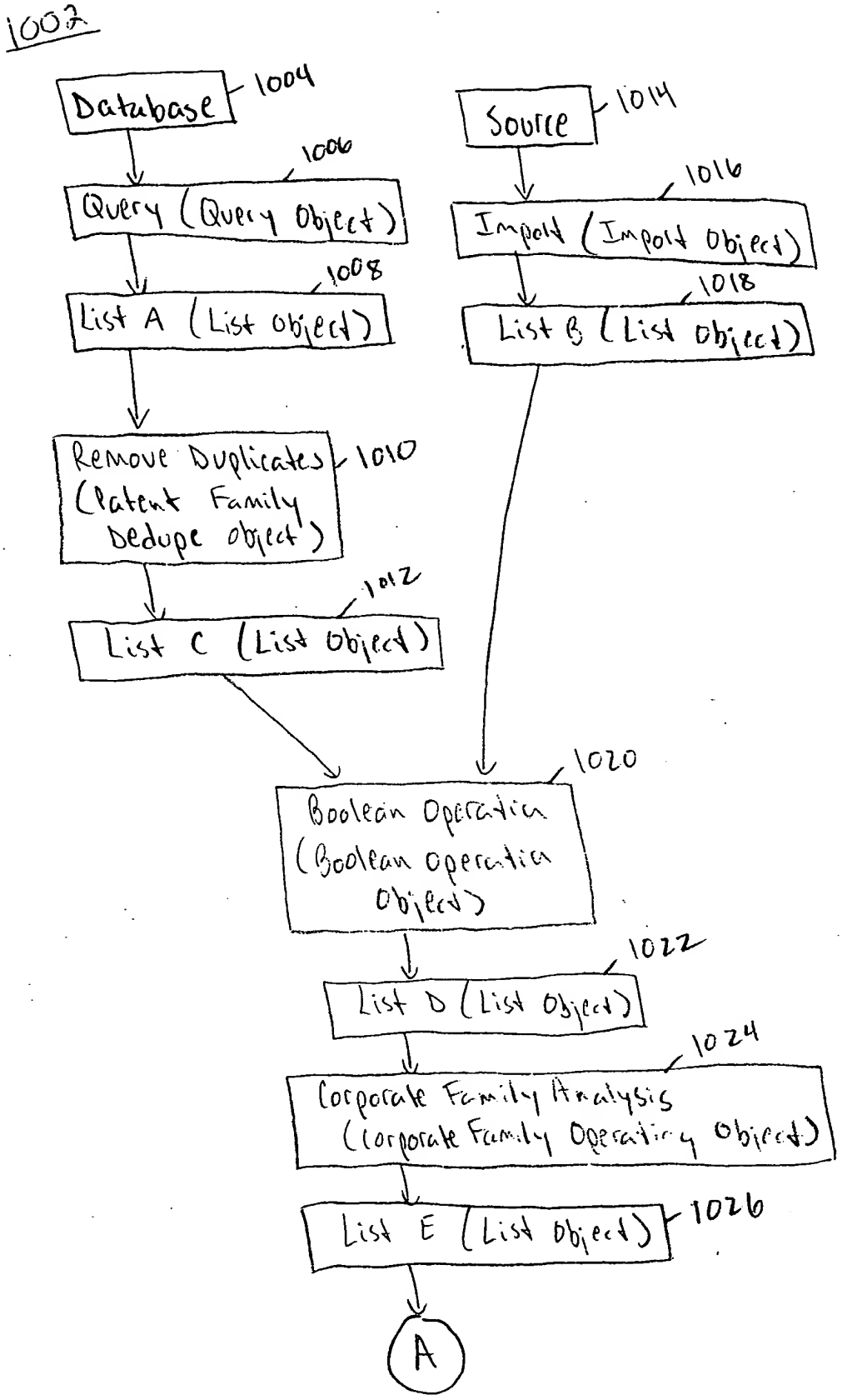

1002
Database
1004
Source
1014
1006
Query (Query Object)
1016
Import (Import Object)
1008
List A (List object)
1018
List B (List object)
Remove Duplicates (Patent Family Dedupe object)
1010
1012
List C (List object)
1020
Boolean Operation (Boolean operation object)
1022
List D (List object)
1024
Corporate Family Analysis (Corporate Family Operation object)
List E (List object)
1026
A

FIG. 10A

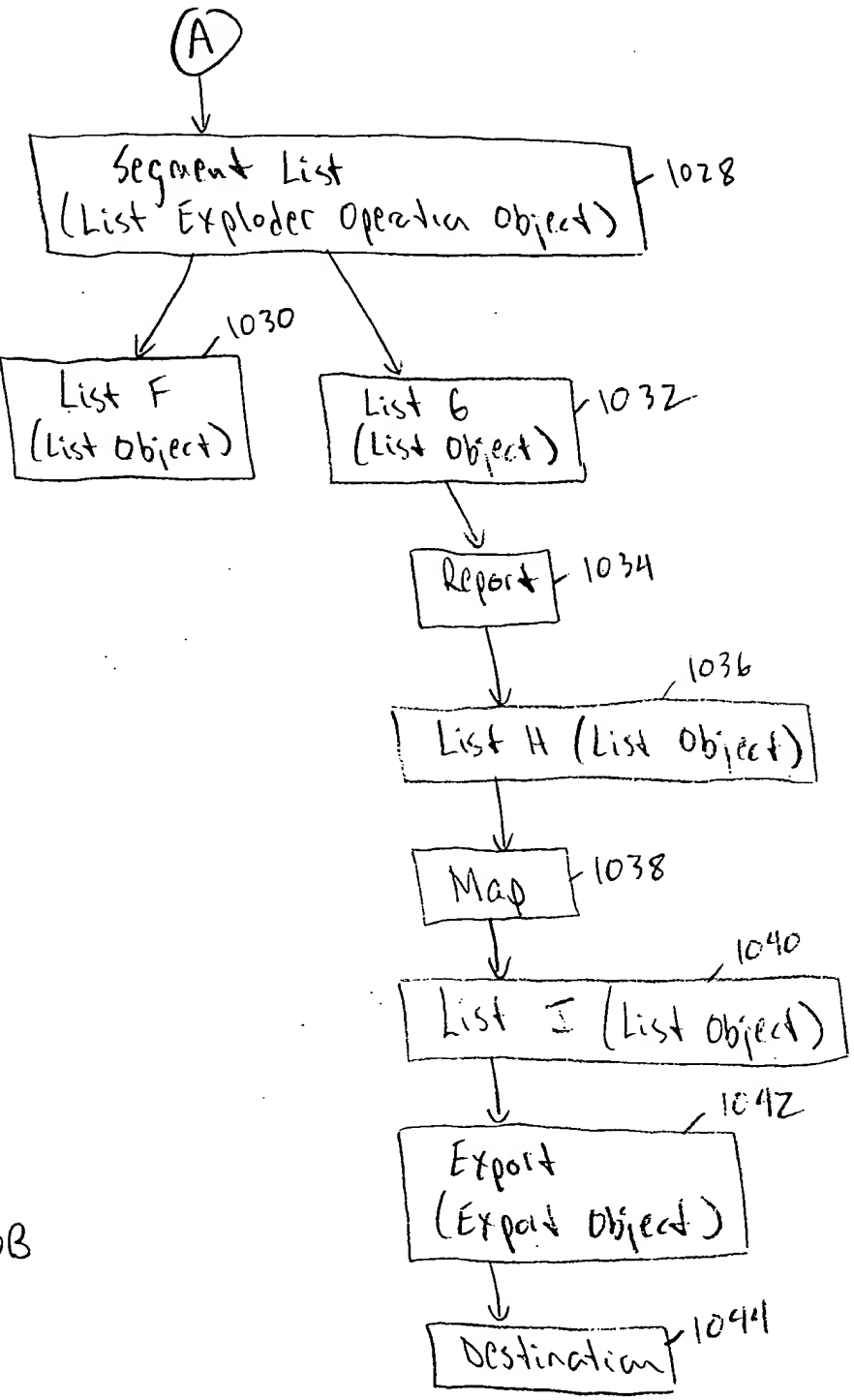

A
Segment List
(List Exploder Operation Object)
1028
List F
(List Object)
1030
List G
(List Object)
1032
Report
1034
List H (List Object)
1036
Map
1038
List I (List Object)
1040
Export
(Export Object)
1042
Destination
1044

FIG. 10B

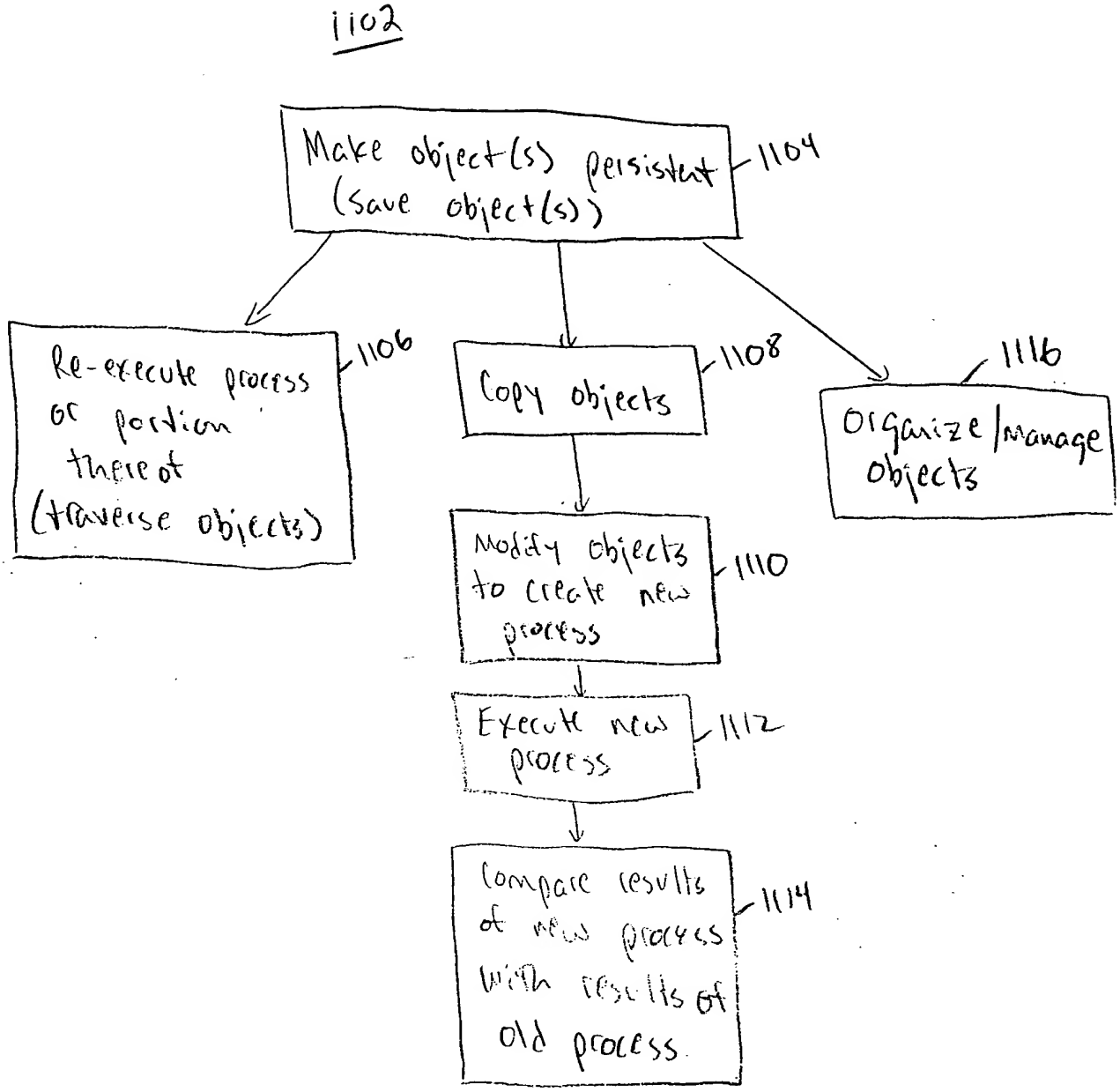

1102
Make object(s) persistent (save object(s))
1104
Re-execute process or portion thereof (traverse objects)
1106
Copy objects
1108
Organize/Manage objects
1116
Modify objects to create new process
1110
Execute new process
1112
Compare results of new process with results of old process
1114

FIG. 11

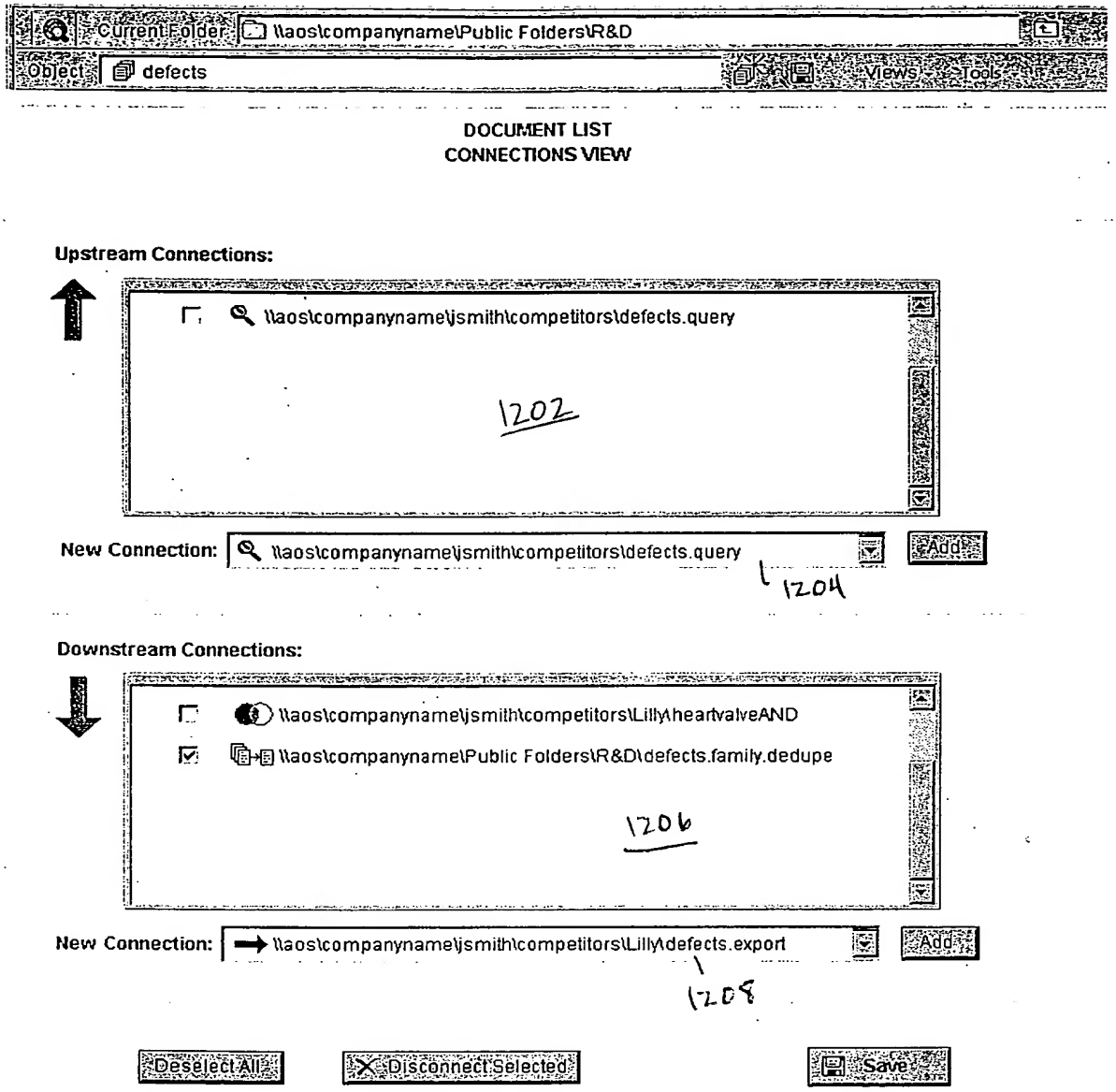
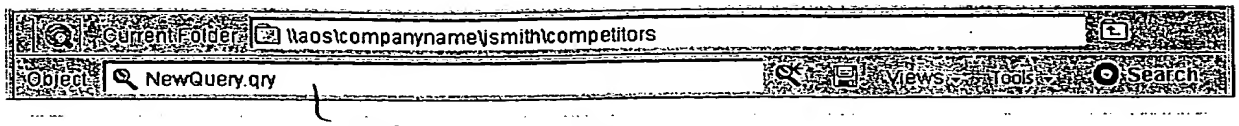

Current Folder
\\aos\companyname\Public Folders\R&D
Object
defects
Views
Tools
DOCUMENT LIST
CONNECTIONS VIEW
Upstream Connections:
\\aos\companyname\jsmith\competitors\defects.query
1202
New Connection:
\\aos\companyname\jsmith\competitors\defects.query
Add
1204
Downstream Connections:
\\aos\companyname\jsmith\competitors\Lilly\heartvalveAND
\\aos\companyname\Public Folders\R&D\defects.family.dedupe
1206
New Connection:
\\aos\companyname\jsmith\competitors\Lilly\defects.export
Add
1208
Deselect All
Disconnect Selected
Save

FIG. 12



1312

QUERY OBJECT

Trigger Type 1302

- ○ Manual
- ◉ Event-Based
- ○ Time-Based

Start Trigger: Tue 3/27/2001 1309

End Trigger: 1306

- ○ No end date
- ◉ End after: 10 occurrences
- ○ End by: Thu 4/5/2001

Event-Based Trigger:

Trigger on Change to: 1308

- ○ Database: Aurigin Patent Database
- ◉ Object: \\aos\companyname\Public Folders\R&D\newproj.lst

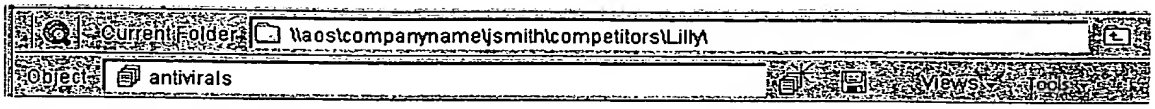
Time-Based Trigger

- ◉ Daily — ◉ Every 1 day(s); ○ Every weekday 1310
- ○ Weekly — Trigger every 1 week(s) on: ☐ Sunday ☐ Monday ☑ Tuesday ☐ Wednesday ☐ Thursday ☐ Friday ☐ Saturday
- ○ Monthly — ◉ Day 27 of every 1 month(s); ○ The fourth Tuesday of every 1 month(s)

Save Cancel

FIG. 13

4,809,205 Feb. 28, 1989

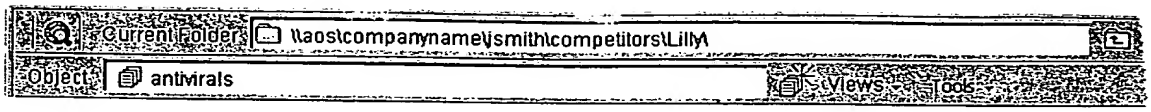


DOCUMENT LIST
ATTRIBUTE VIEW

Object Type	Document List
Path\Name	\\aos\companyname\jsmith\competitors\Lilly\antivirals
Object ID	llst549
Description	all Lilly antiviral patents/apps worldwide [Save Description]
Object Version	1.0
Owner	jsmith
Create Date	Feb 23 2001
Modification Date	Feb 27 2001 [View Change History]

FIG. 14

09564530 - 022801



MODIFICATION HISTORY VIEW

Date	User	Modification Type
2/23/2001	administrator	Object created
		Object Type = List
		Name = product group 1
		Path = \\aos\companyname\competitors\Lilly\
		Owner = administrator
		Object Version = 1.0
2/23/2001	administrator	Name changed
		Name = antivirals
2/23/2001	administrator	Path changed
		Path = \\aos\companyname\jsmith\competitors\Lilly\
2/23/2001	administrator	Object Description changed
2/23/2001	administrator	Owner changed
		Owner = jsmith
2/27/2001	administrator	Object version updated
		Object Version = 2.0
2/27/2001	jsmith	Permissions changed
2/27/2001	jsmith	Annotations changed
2/27/2001	jsmith	Contents added
2/27/2001	jsmith	Contents deleted
2/27/2001	jsmith	Contents modified
3/5/2001	tjones	Object copied
		Name = Lilly-Antivirals
		Path = \\aos\companyname\tjones\competitors
		Owner = tjones

FIG. 15

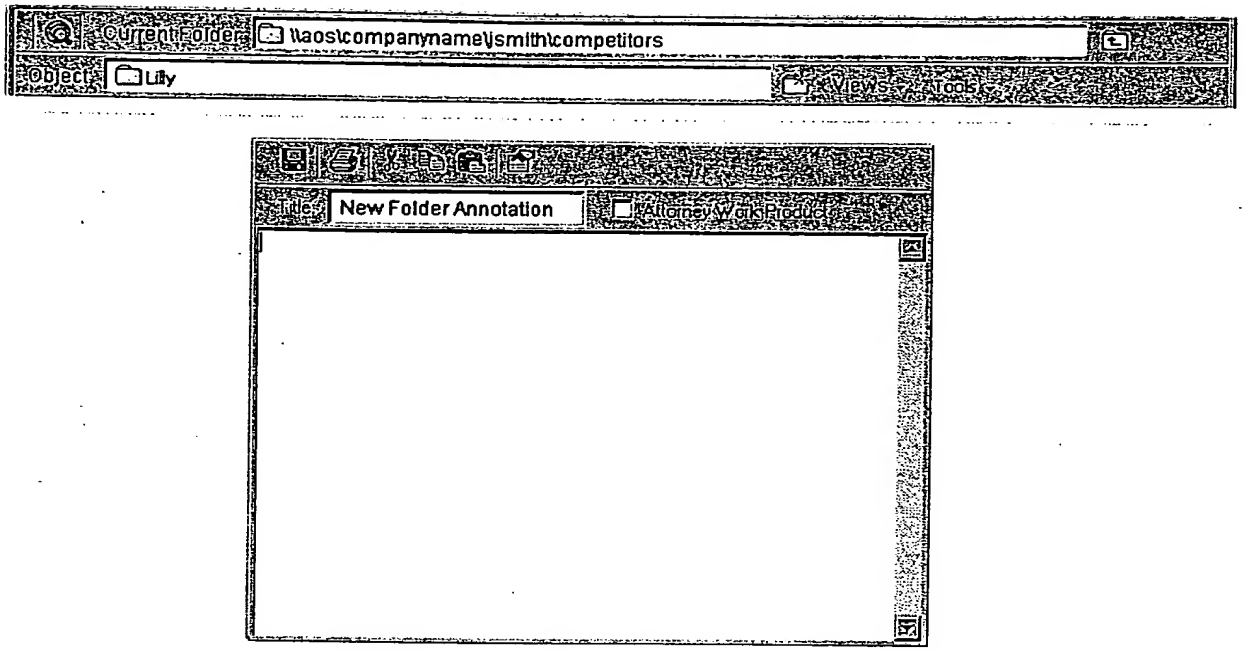


FIG. 16

Client-Matter: 09845/0050

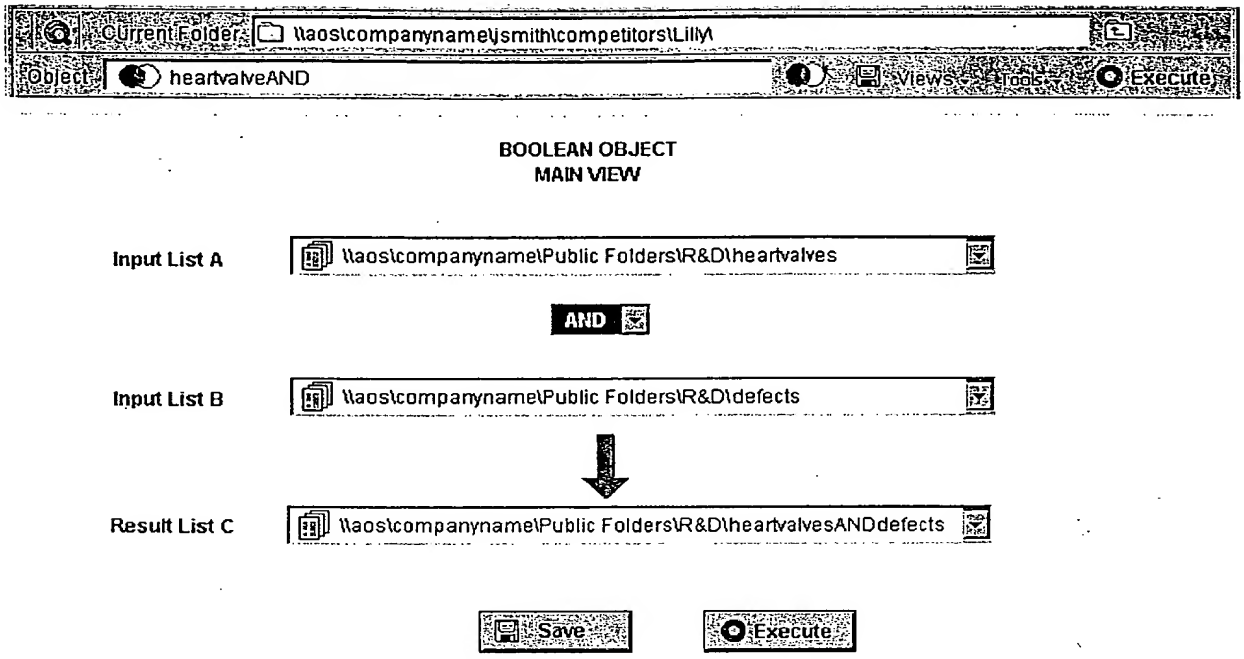
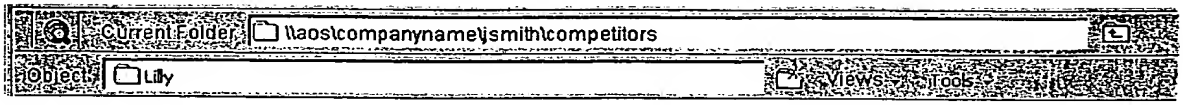


FIG. 17

6,564,209 B1 May 13, 2003

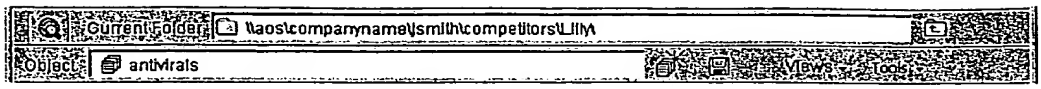


CONTENT VIEW

- anti-ulcer
- anti-virals
- hypertension
- 2000.0712.uspto.Black Ice Software.TIFF.viewer.htm
- 2000.0721.uspto.record counts.bob.doc
- 2000.0811.uspto.Post Issuance.bob.xls
- 2000.1102.us.expirations.Arno's Memo (AIPA).doc
- 2000.1103.IFI.uspto.Post Issuance.bob.xls
- uspto.contacts.doc
- uspto.redbook.format.defn.02part1.pdf
- uspto.redbook.format.defn.appendix.F.08appf.pdf

FIG. 18

Patent 6,356,905



LIST OBJECT

LIST DISPLAY OPTIONS VIEW

Default View
- (•) Short List View
- ( ) Full List View
- ( ) Abstract List View
- ( ) Shoebox List View

Documents Per Page
- Short List View: 30
- Full List View: 10
- Abstract List View: 5
- Shoebox List View: 1

Content Change Type
- (•) Auto-Change
- ( ) Pending-Change

Show Documents with Document Status:
- [ ] Active
- [x] Deleted
- [ ] Pending-Add
- [x] Pending-Delete

Sort List by
- Assignee — (•) Ascending ( ) Descending
- Then by IPC Code — (•) Ascending ( ) Descending
- Then by Priority Date — (•) Ascending ( ) Descending

Show Document View Links
- [ ] Standard View
- [x] Fulltext View
- [x] Claims View
- [x] Aurigin Family View
- [ ] Derwent Family View
- [x] Summary Page View
- [x] PDF Image View
- [x] HTML Image View

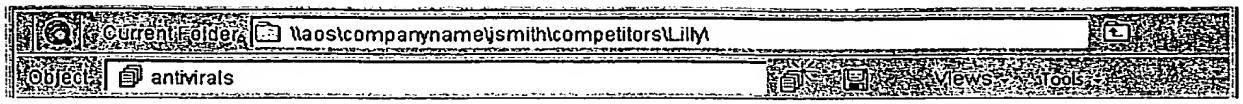
Show Fields:

Short List View	Full List View	Abstract List View	Shoebox List View
[x] Country Code	[x] Country Code	[x] Country Code	[x] Country Code
[x] Kind Code	[x] Kind Code	[x] Kind Code	[x] Kind Code
[x] Doc ID	[x] Doc ID	[x] Doc ID	[x] Doc ID
[x] Title	[x] Title	[x] Title	[x] Title
[x] Priority Date	[x] Priority Date	[x] Priority Date	[x] Priority Date
[x] Filing Date	[x] Filing Date	[x] Filing Date	[x] Filing Date
[x] Publication Date	[x] Publication Date	[x] Publication Date	[x] Publication Date
[x] Assignees	[x] Assignees	[x] Assignees	[x] Assignees
[x] Inventors	[x] Inventors	[x] Inventors	[x] Inventors
[x] IPC Code	[x] IPC Code	[x] IPC Code	[x] IPC Code
[x] USPC Code	[x] USPC Code	[x] USPC Code	[x] USPC Code
[x] Legal Status	[x] Legal Status	[x] Legal Status	[x] Legal Status
[x] Doc Status	[x] Doc Status	[x] Doc Status	[x] Doc Status
[x] Change Source	[x] Change Source	[x] Change Source	[x] Change Source
[x] Status Change Date	[x] Status Change Date	[x] Status Change Date	[x] Status Change Date
[x] Doc View Links	[x] Doc View Links	[x] Doc View Links	[x] Doc View Links
[x] Abstract	[x] Abstract	[x] Abstract	[x] Abstract
[x] Front Page Thumbnail	[x] Front Page Thumbnail	[x] Front Page Thumbnail	[x] Front Page Thumbnail
[x] Primary Drawing	[x] Primary Drawing	[ ] Primary Drawing	[x] Primary Drawing

Save | Cancel

List Content Views: Short Full Abstract Shoebox

FIG. 19



LIST OBJECT
SHORT LIST VIEW

List Content Views: Short Full Abstract Shoebox

Set View Options

150 Documents **Results 1-20** **Page** 1 **of 8** Go **Prev | Next**

#	Select	Country Code	Doc ID	Doc Kind	Title	Pub Date	Status	Status Change Date	Change Source	View Document
1	☑	US	3883561	A1	Antibiotic lactones	5/13/1975	A	2/24/2001	Query549	T|C
2	☑	US	3903371	A1	Mycophenolic acid derivatives	9/2/1975	A	2/24/2001	Query549	T|C
3	☑	US	3990527	A1	Anti-viral method in animals	11/30/1976	PA	3/7/2001	Query549	T|C
4	☑	US	4035481	A1	Antibiotic A-28086 and process f	7/12/1977	A	2/24/2001	Bool123	T|C
5	☑	US	4053698	A1	Acylation of pyrazofurin	10/11/1977	PD	3/7/2001	Query549	T|C
6	☑	US	4085224	A1	Method of increasing feed utiliza	4/18/1978	PA	3/7/2001	Query549	T|C
7	☑	US	4115197	A1	Procedure for obtaining penicillu	9/19/1978	A	2/24/2001	Query549	T|C
8	☑	US	4133876	A1	Antibiotic A-32887 and process f	1/9/1979	D	2/28/2001	Manual	T|C
9	☑	US	4141907	A1	Deoxynarasin antibiotics	2/27/1979	A	2/24/2001	Query549	T|C
10	☑	US	4153695	A1	Substituted 2,3-dihydro imidazo[1	5/8/1979	A	2/24/2001	Bool123	T|C
11	☑	US	3883561	A1	Antibiotic lactones	5/13/1975	A	2/24/2001	Query549	T|C
12	☑	US	3903371	A1	Mycophenolic acid derivatives	9/2/1975	A	2/24/2001	Query549	T|C
13	☑	US	3990527	A1	Anti-viral method in animals	11/30/1976	PA	3/7/2001	Query549	T|C
14	☑	US	4035481	A1	Antibiotic A-28086 and process f	7/12/1977	A	2/24/2001	Query549	T|C
15	☑	US	4053698	A1	Acylation of pyrazofurin	10/11/1977	D	2/28/2001	Manual	T|C
16	☑	US	4085224	A1	Method of increasing feed utiliza	4/18/1978	D	2/28/2001	Manual	T|C
17	☑	US	4115197	A1	Procedure for obtaining penicillu	9/19/1978	D	2/28/2001	Bool123	T|C
18	☑	US	4133876	A1	Antibiotic A-32887 and process f	1/9/1979	A	2/24/2001	Query549	T|C
19	☑	US	4141907	A1	Deoxynarasin antibiotics	2/27/1979	A	2/24/2001	Query549	T|C
20	☑	US	4153695	A1	Substituted 2,3-dihydro imidazo[1	5/8/1979	A	2/24/2001	Query549	T|C

Select All | Deselect All | Accept Selected Pending | Delete Selected

150 Documents **Results 1-20** **Page** 1 **of 8** Go **Prev | Next**

FIG. 20

Current Folder: \\aos\companyname\jsmith\competitors\Lilly\

Object: antivirals

Views | Tools

LIST OBJECT
FULL LIST VIEW

List Content Views: Short Full Abstract Shoebox

Set View Options

150 Documents Results 1-10 Page 1 of 15 Go

Prev | Next

	Select	Country Code	Doc ID	Doc Kind	Title	Assignees	Inventors	Pub Date	IPC Code	View Document
1	☑	US	3883561	A1	Antibiotic lactones	Eli Lilly and Company	Michel, Karl H.; Hoehn, Marvin M.	5/13/1975	C07d /00	T|C
2	☑	US	3903371	A1	Mycophenolic acid derivatives	Eli Lilly and Company	Holmes, Richard E.	9/2/1975	[2] C07H /00	T|C
3	☑	US	3990527	A1	Anti-viral method in animals	Eli Lilly and Company	GALE, CHARLES; McDougald, Larry R.	11/30/1976	[2] A61K /66 ; [2] A61K /71	T|C
4	☑	US	4035481	A1	Antibiotic A-28086 and process for production thereof	Eli Lilly and Company	Berg, David H.; HAMILL, ROBERT L.; Hoehn, Marvin M.	7/12/1977	[2] A61K /00	T|C
5	☑	US	4053698	A1	Acylation of pyrazofurin	Eli Lilly and Company	Gutowski, Gerald E.	10/11/1977	[2] C07D /40 ; [2] C07H /06 ; [2] C07D /38 ; [2] C07H /02	T|C
6	☑	US	4085224	A1	Method of increasing feed utilization	Eli Lilly and Company	Berg, David H.; HAMILL, ROBERT L.; Hoehn, Marvin M.	4/18/1978	[2] A61K /35	T|C
7	☑	US	4115197	A1	Procedure for obtaining penicillium species mutants with improved ability to synthesize mycophenolic acid	Eli Lilly and Company	Queener, Stephen W.; Nash, III, Claude H.	9/19/1978	[2] C12K /02 ; [2] C12D /10 ; [2] C12D /06	T|C
8	☑	US	4133876	A1	Antibiotic A-32887 and process for production thereof	Eli Lilly and Company	HAMILL, ROBERT L.; Hoehn, Marvin M.	1/9/1979	[2] A61K /00	T|C
9	☑	US	4141907	A1	Deoxynarasin antibiotics	Eli Lilly and Company	Nakatsukasa, Walter M.; HAMILL, ROBERT L.; MARCONI, GARY G.; Neuss, Norbert	2/27/1979	[2] A61K /35 ; [2] C07D /22	T|C
10	☑	US	4153695	A1	Substituted 2,3-dihydro imidazo[1,2-c]pyrimidines	Eli Lilly and Company	Turner, William W.	5/8/1979	[2] A61K /505 ; [2] C07D /04	T|C

Select All | Deselect All | Accept Selected Pending | Delete Selected

150 Documents Results 1-10 Page 1 of 15 Go

Prev | Next

FIG. 21

Current Folder: \\aos\companyname\jsmith\competitors\Lilly

Object: antivirals

Views Tools

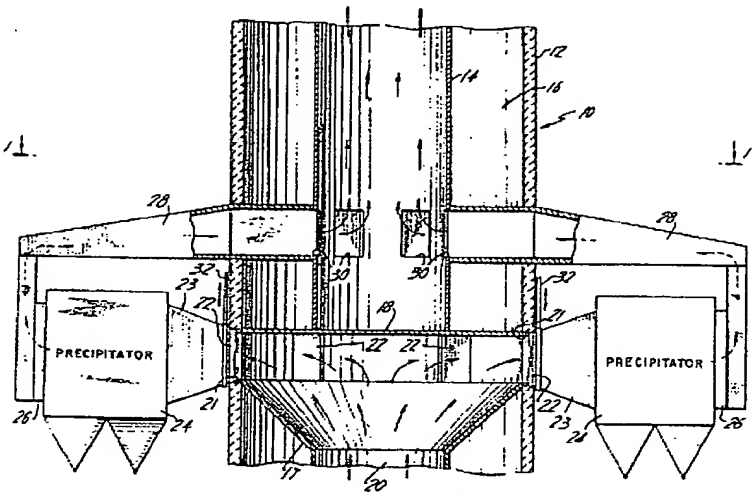
LIST OBJECT
SHOEBOX LIST VIEW

Document 1 of 27 Go

Prev | Next

☑ **MULTIPLE UNIT PRECIPITATOR APPARATUS**

Doc ID: US 3631655 A1
Assignee: Buell Engineering Company, Inc.
Pub Date: 01/04/1972
T|C|



Select All | Deselect All | Accept Selected Pending | Delete Selected

Document 1 of 27 Go

Prev | Next

List Content Views: Short Full Abstract Shoebox

Set View Options

FIG. 22

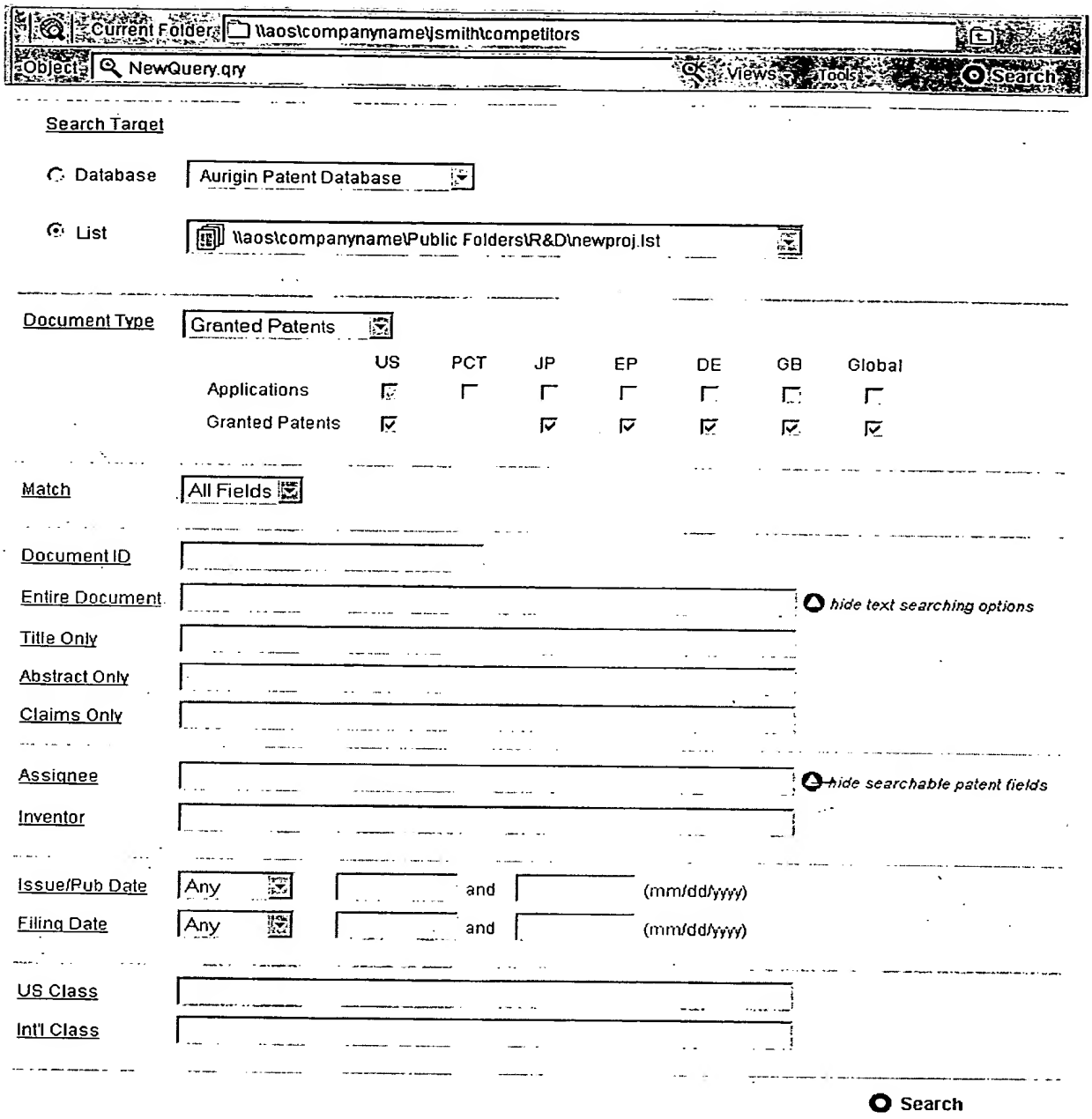

Current Folder: \\aos\companyname\jsmith\competitors
Object: NewQuery.qry
Views
Tools
Search
Search Target
Database
Aurigin Patent Database
List
\\aos\companyname\Public Folders\R&D\newproj.lst
Document Type
Granted Patents
US PCT JP EP DE GB Global
Applications
Granted Patents
Match
All Fields
Document ID
Entire Document
hide text searching options
Title Only
Abstract Only
Claims Only
Assignee
hide searchable patent fields
Inventor
Issue/Pub Date
Any
and
(mm/dd/yyyy)
Filing Date
Any
and
(mm/dd/yyyy)
US Class
Int'l Class
Search

FIG. 23

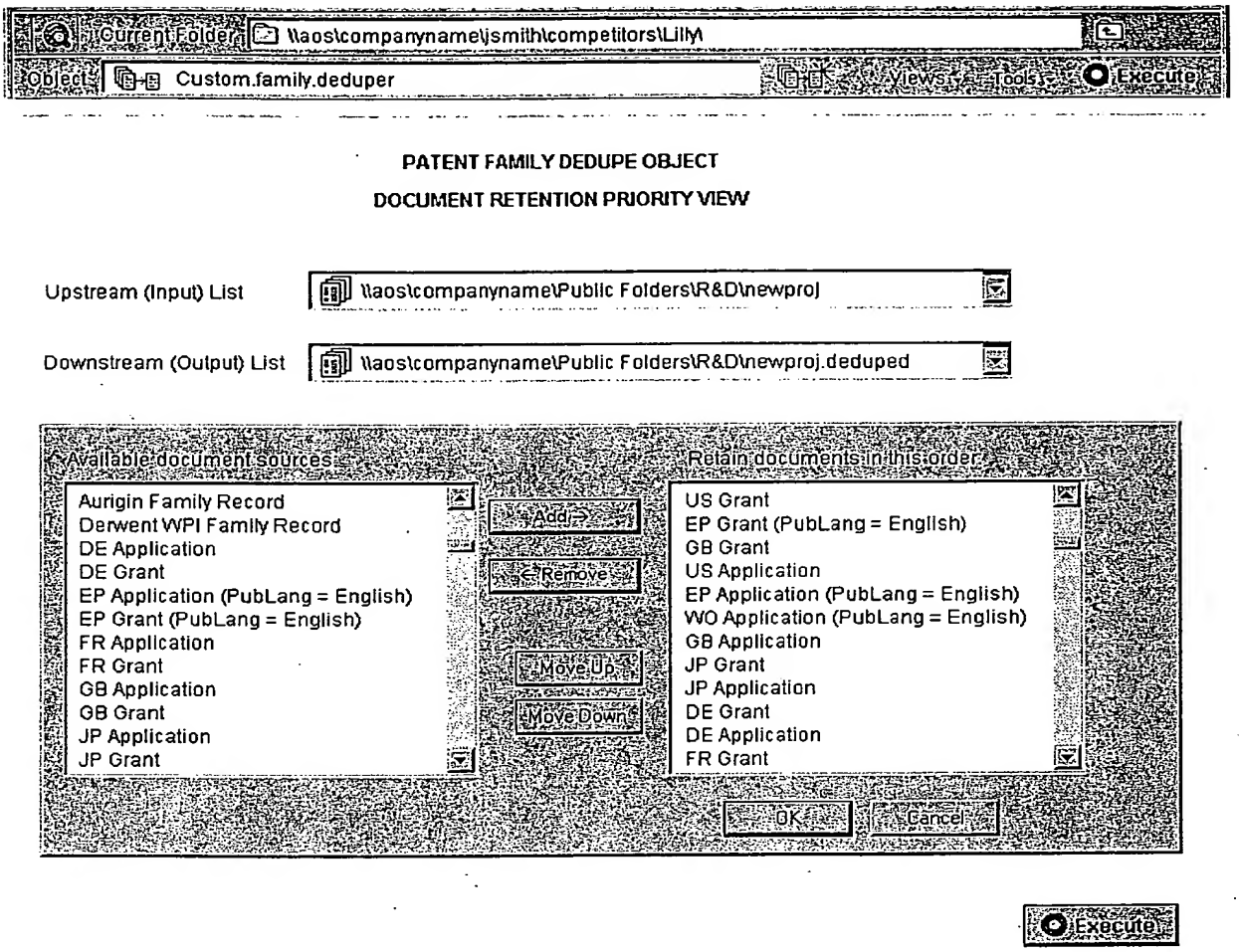
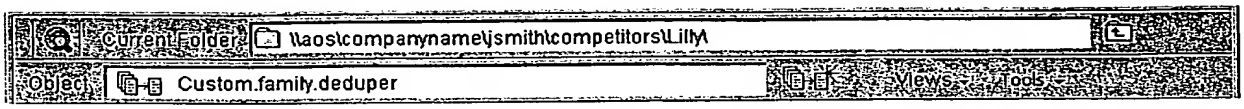

Current Folder
\\aos\companyname\jsmith\competitors\Lilly\
Object
Custom.family.deduper
Views
Tools
Execute
PATENT FAMILY DEDUPE OBJECT
DOCUMENT RETENTION PRIORITY VIEW
Upstream (Input) List
\\aos\companyname\Public Folders\R&D\newproj
Downstream (Output) List
\\aos\companyname\Public Folders\R&D\newproj.deduped
Available document sources:
Aurigin Family Record
Derwent WPI Family Record
DE Application
DE Grant
EP Application (PubLang = English)
EP Grant (PubLang = English)
FR Application
FR Grant
GB Application
GB Grant
JP Application
JP Grant
Add ->
<- Remove
Move Up
Move Down
Retain documents in this order:
US Grant
EP Grant (PubLang = English)
GB Grant
US Application
EP Application (PubLang = English)
WO Application (PubLang = English)
GB Application
JP Grant
JP Application
DE Grant
DE Application
FR Grant
OK
Cancel
Execute

FIG. 24



PATENT FAMILY DEDUPE OBJECT

FAMILY DEFINITION VIEW

Standard Family Definition:

- ○ Inpadoc Family
- ○ Derwent Family

Custom Family Definition:

- ◉ Identical Priority Family
- ○ Priority-in-Common Family

Components for Custom Family Definitions:

Application Level:
- ☑ Application to Priority
- ☐ Continuation In Part to Application
- ☐ Post-Issuance to Application
  (Supplemental Search Reports, Corrections, etc)
- ☑ Transfer of Application
  (PCT Transfers (W1, W4), EPO National Application Transfers, etc)

Grant Level:
- ☑ Grant to Application
- ☑ Reissue of Grant

Post-Grant Level:
- ☐ Post-Issuance to Grant
- ☐ Re-exam of Grant
- ☐ Certificate of Correction to Grant
- ☑ EP National Transfers (R1, R4) based on EP Regional Grant
- ☑ National Level Translations (T) based on EP Grant

Other Family Member Types:
- ☑ Technical Equivalent Family Member

FIG. 25

Current Folder: \\aos\companyname\jsmith\competitors\LIM\

Object: Custom.family.expander Views Tools Execute

PATENT FAMILY EXPAND OBJECT

DOCUMENT INCLUSION VIEW

Upstream (Input) List: \\aos\companyname\Public Folders\R&D\newproj

Downstream (Output) List: \\aos\companyname\Public Folders\R&D\newproj.expand

Document Types to Include:

- [ ] Pseudo-Documents
- [x] Primary Patent Documents
- [ ] Secondary Patent Documents

Standard Family Definition:

- ( ) Inpadoc Family
- ( ) Derwent Family

Custom Family Definition:

- (•) Identical Priority Family
- ( ) Priority-in-Common Family

Components for Custom Family Definitions:

Application Level:
- [x] Application to Priority
- [ ] Continuation in Part to Application
- [ ] Post-Issuance to Application
  (Supplemental Search Reports, Corrections, etc)
- [x] Transfer of Application
  (PCT Transfers (W1, W4), EPO National Application Transfers, etc)

Grant Level:
- [x] Grant to Application
- [x] Reissue of Grant

Post-Grant Level:
- [ ] Post-Issuance to Grant
- [ ] Re-exam of Grant
- [ ] Certificate of Correction to Grant
- [x] EP National Transfers (R1, R4) based on EP Regional Grant
- [x] National Level Translations (T) based on EP Grant

Other Family Member Types:
- [x] Technical Equivalent Family Member

Save Execute

FIG. 26

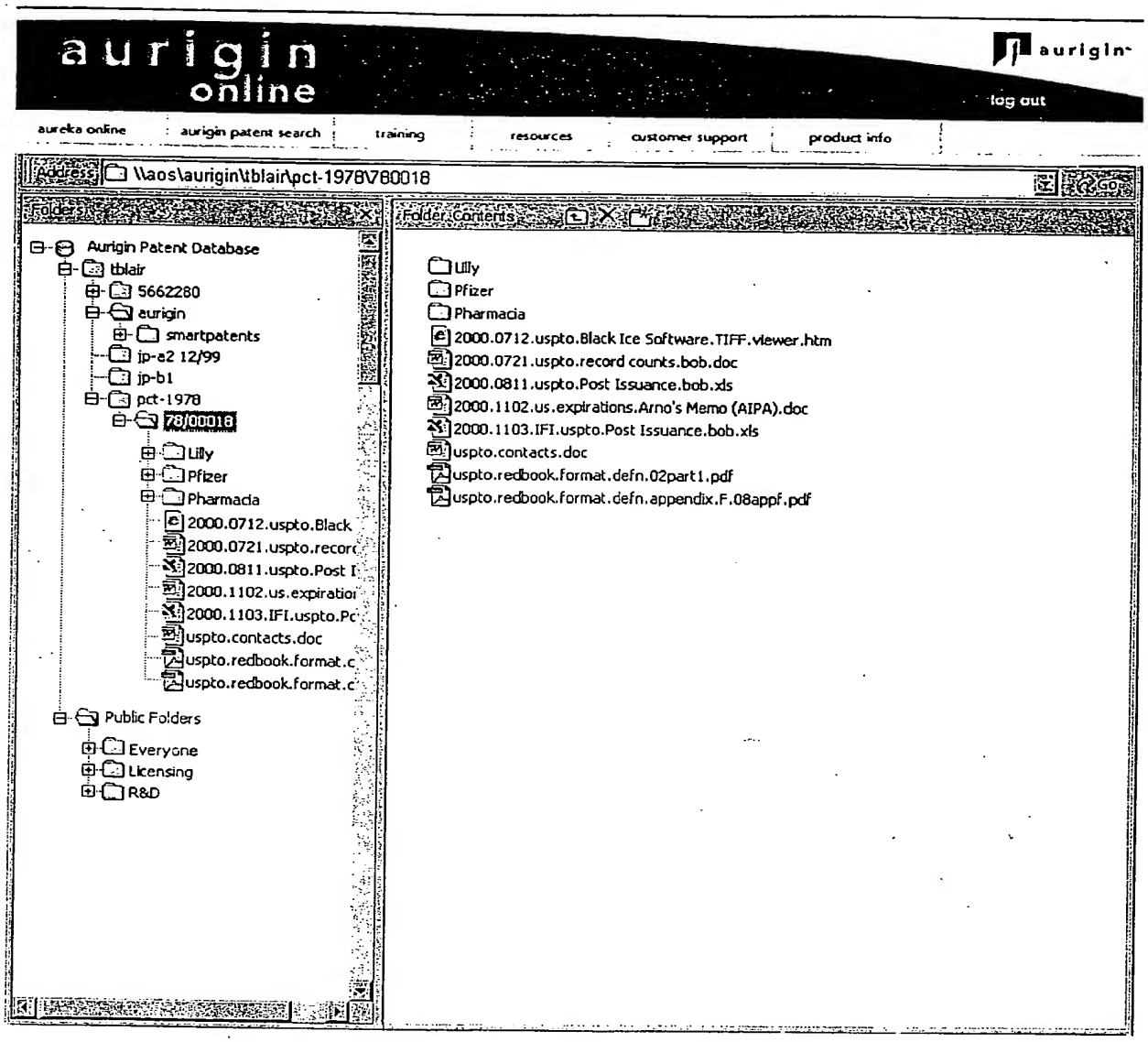

aurigin online
aurigin
log out
aureka online
aurigin patent search
training
resources
customer support
product info
Address
\\aos\aurigin\tblair\pct-1978\78000018
Folders
Folder Contents
Aurigin Patent Database
tblair
5662280
aurigin
smartpatents
jp-e2 12/99
jp-b1
pct-1978
78/000018
Lilly
Pfizer
Pharmacia
2000.0712.uspto.Black
2000.0721.uspto.recor
2000.0811.uspto.Post I
2000.1102.us.expiratio
2000.1103.IFI.uspto.Pc
uspto.contacts.doc
uspto.redbook.format.c
uspto.redbook.format.c
Public Folders
Everyone
Licensing
R&D
Lilly
Pfizer
Pharmacia
2000.0712.uspto.Black Ice Software.TIFF.viewer.htm
2000.0721.uspto.record counts.bob.doc
2000.0811.uspto.Post Issuance.bob.xls
2000.1102.us.expirations.Arno's Memo (AIPA).doc
2000.1103.IFI.uspto.Post Issuance.bob.xls
uspto.contacts.doc
uspto.redbook.format.defn.02part1.pdf
uspto.redbook.format.defn.appendix.F.08appf.pdf

FIG. 27

2802

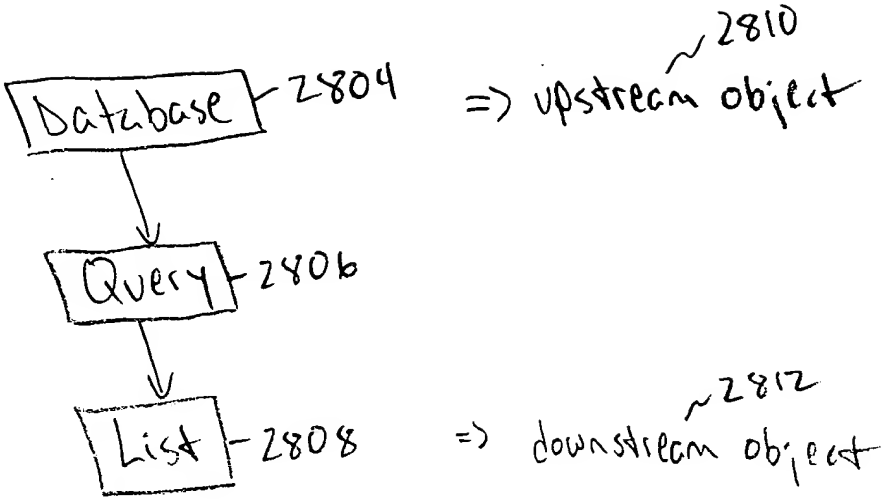

2810
Database
2804
=> upstream object
Query
2806
List
2808
2812
=> downstream object

FIG. 28

2902

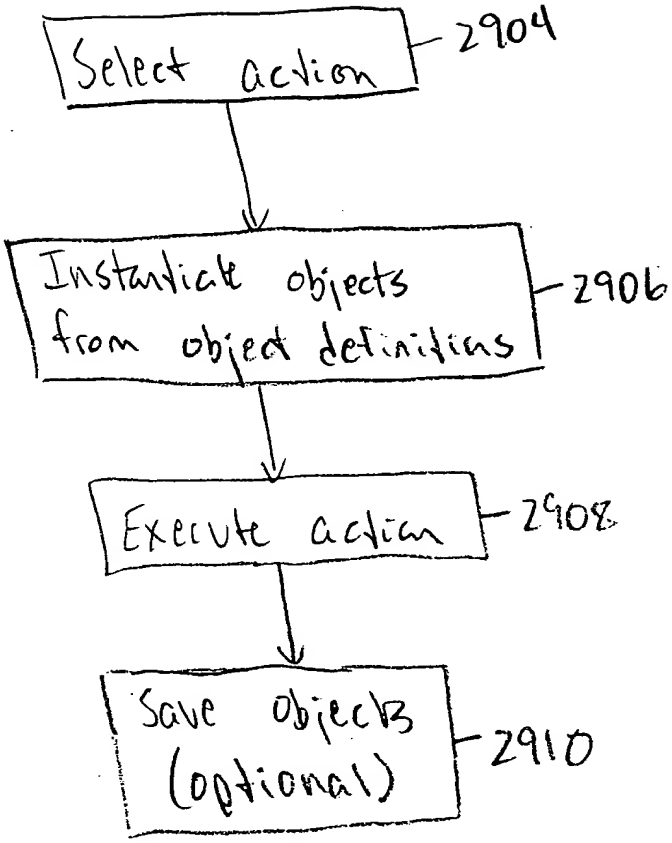

Select action
2904
Instantiate objects from object definitions
2906
Execute action
2908
Save objects (optional)
2910

FIG. 29

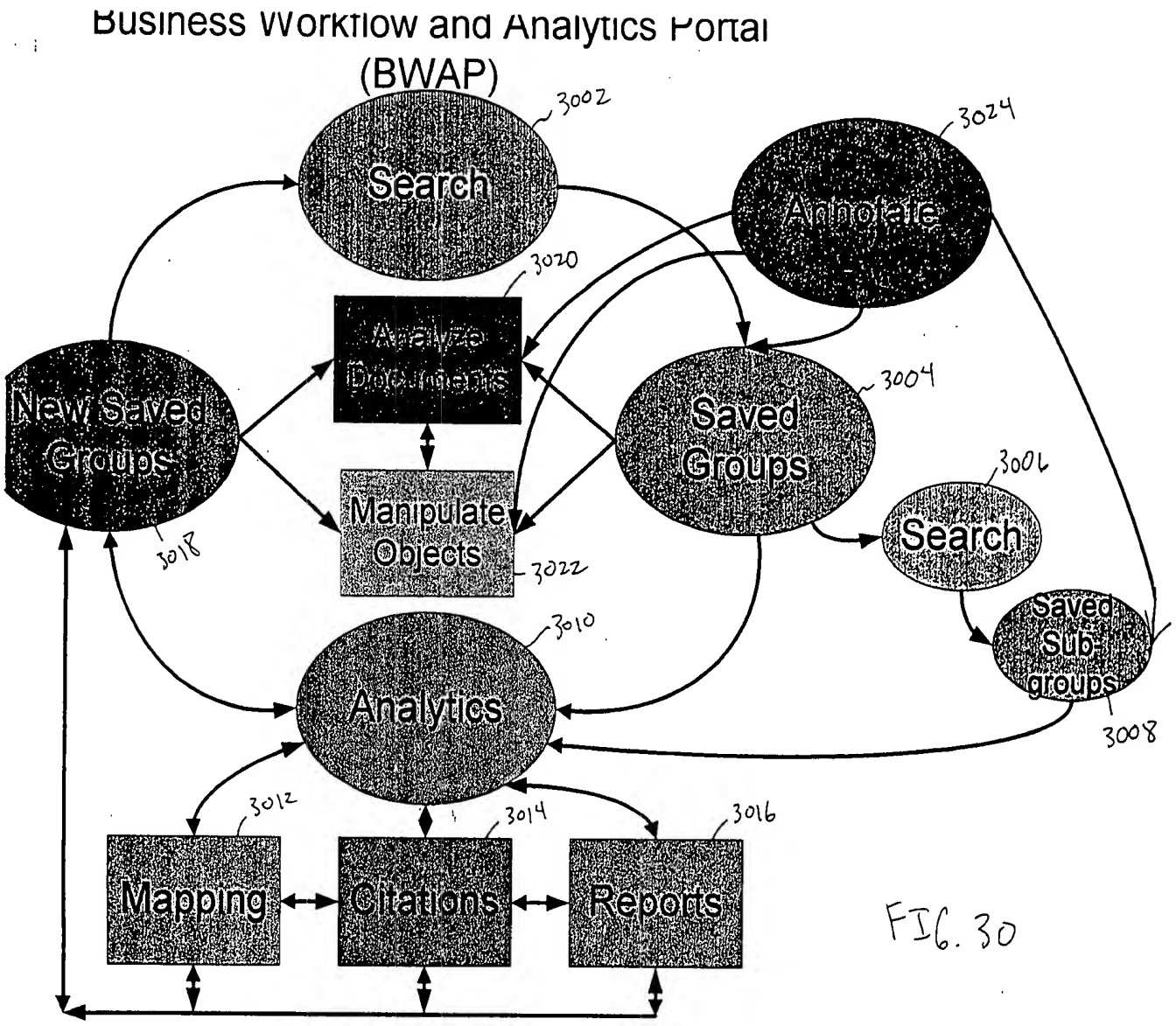

Business Workflow and Analytics Portal
(BWAP)
Search
3002
Annotate
3024
Analyze Documents
3020
New Saved Groups
3018
Saved Groups
3004
Manipulate Objects
3022
Search
3006
Saved Sub-groups
3008
Analytics
3010
Mapping
3012
Citations
3014
Reports
3016

FIG. 30

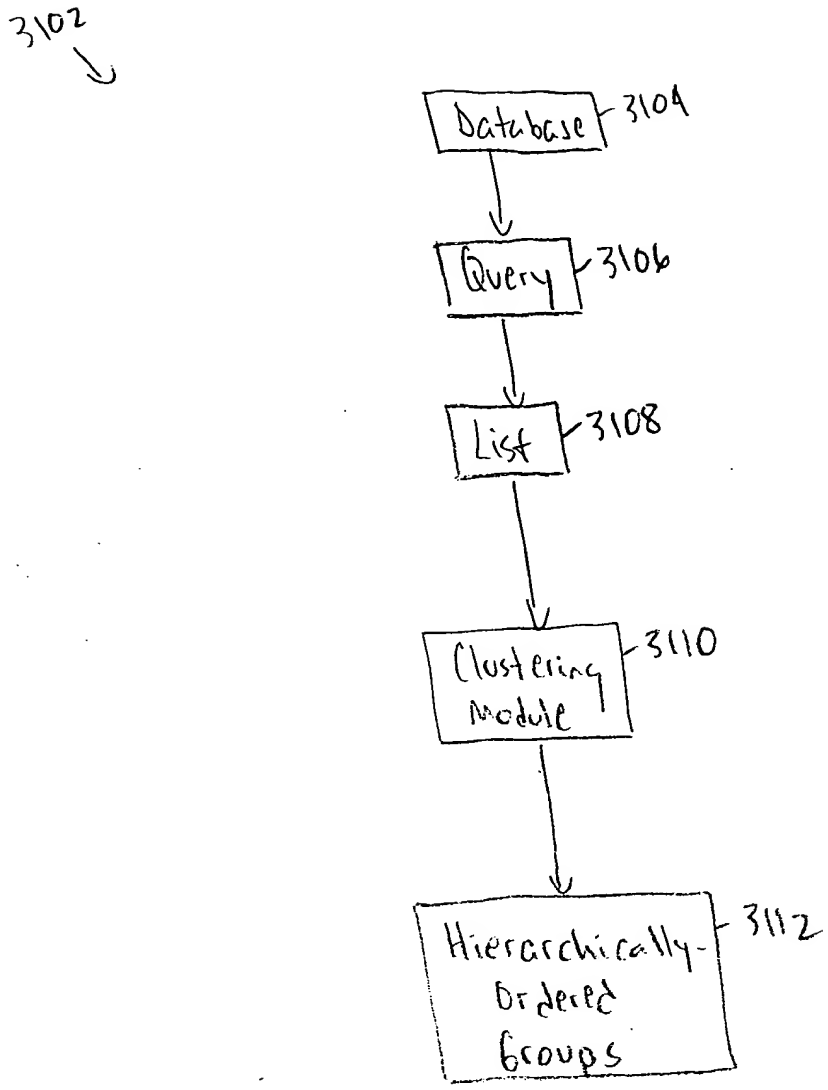

3102
Database
3104
Query
3106
List
3108
Clustering Module
3110
Hierarchically-Ordered Groups
3112

FIG. 31

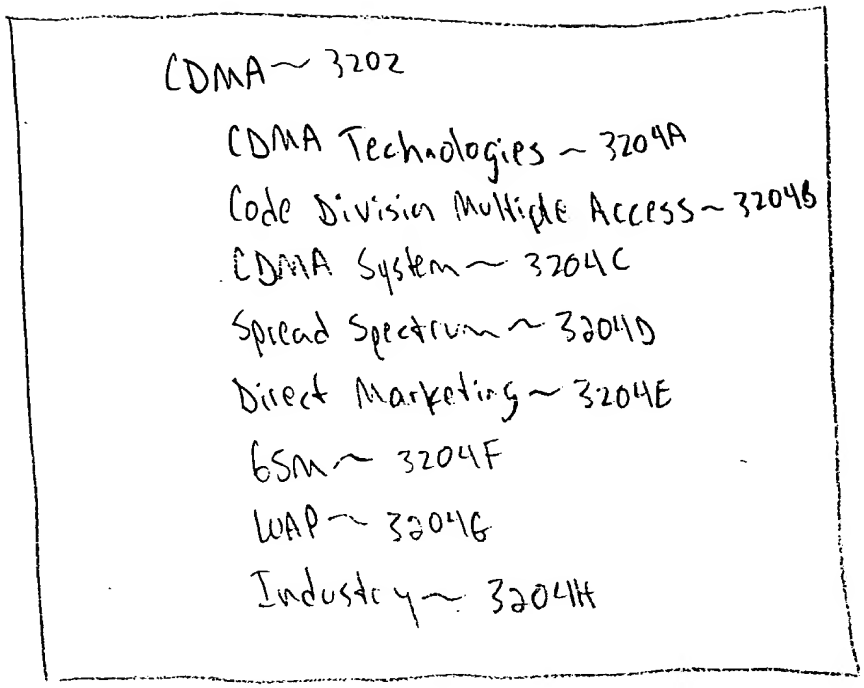

CDMA ~ 3202
CDMA Technologies ~ 3204A
Code Division Multiple Access ~ 3204B
CDMA System ~ 3204C
Spread Spectrum ~ 3204D
Direct Marketing ~ 3204E
GSM ~ 3204F
WAP ~ 3204G
Industry ~ 3204H

FIG. 32

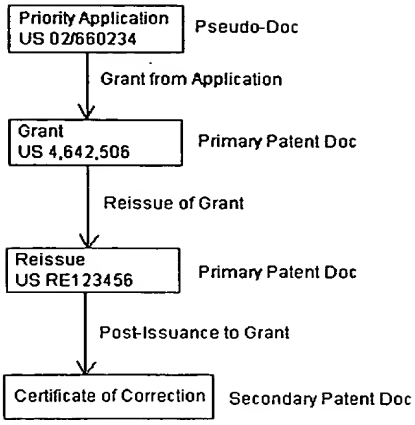

Priority Application
US 02/660234
Pseudo-Doc
Grant from Application
Grant
US 4,642,506
Primary Patent Doc
Reissue of Grant
Reissue
US RE123456
Primary Patent Doc
Post-Issuance to Grant
Certificate of Correction
Secondary Patent Doc

FIG. 33

Patent Application Publication Sep. 28, 2006 Sheet 33 of 33 US 2006/0218630 A1

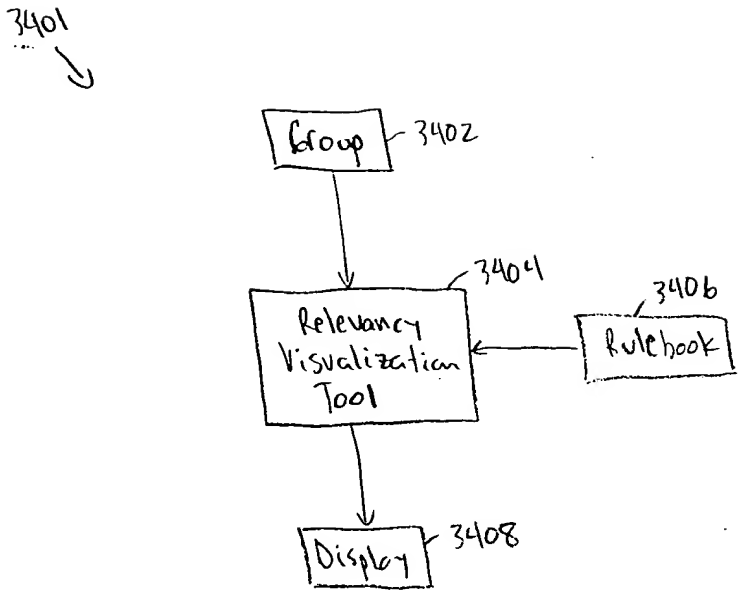


FIG. 34

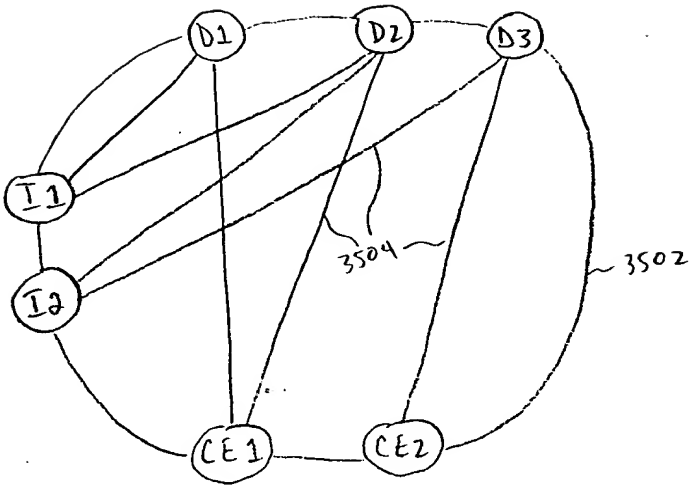


FIG. 35

Exhibit 2 Page 650

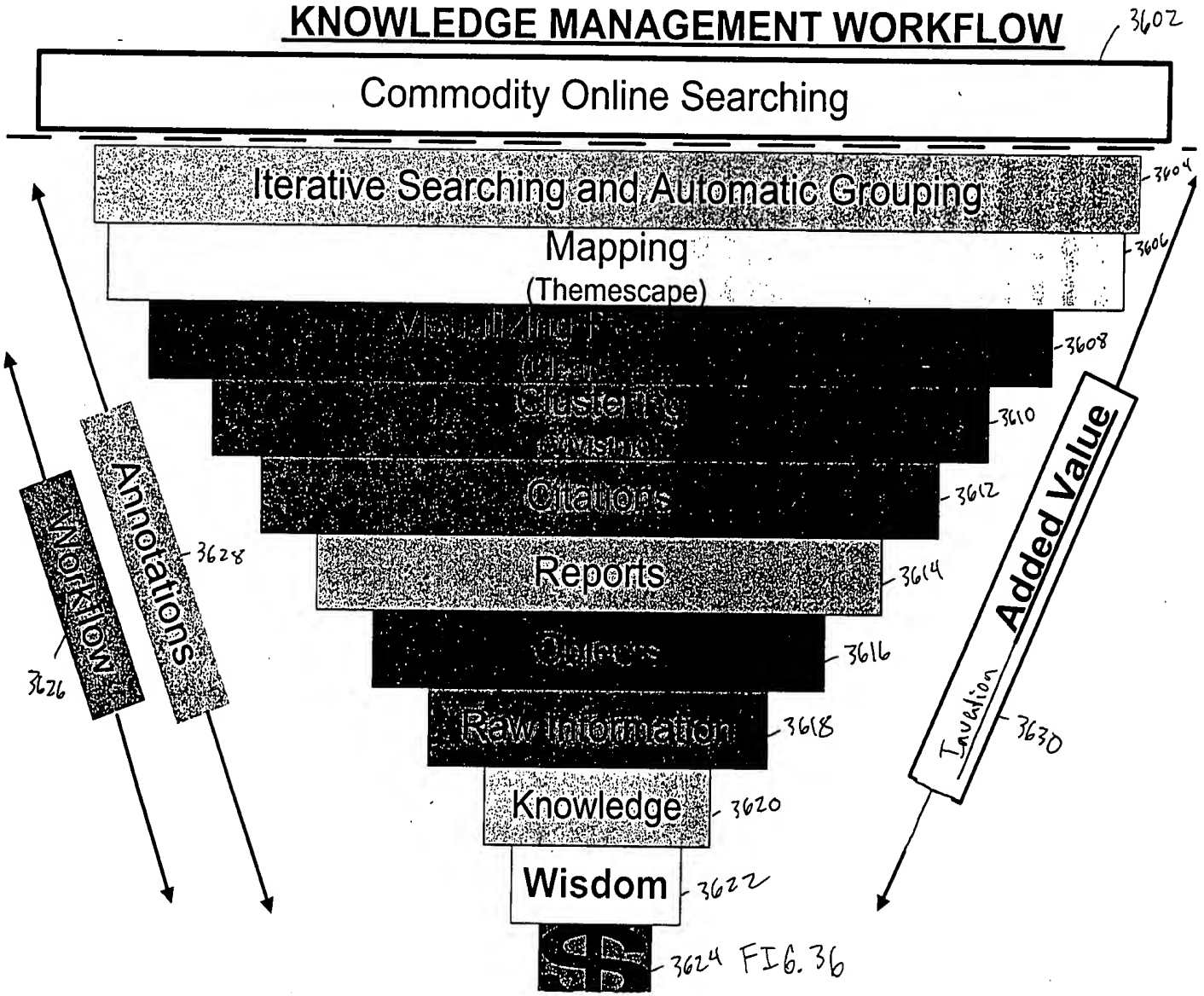

KNOWLEDGE MANAGEMENT WORKFLOW
3602
Commodity Online Searching
Iterative Searching and Automatic Grouping
3604
Mapping
(Themescape)
3606
3608
3610
Citations
3612
Reports
3614
3616
Raw Information
3618
Knowledge
3620
Wisdom
3622
3624
Annotations
3628
Workflow
3626
Added Value
Invention
3630

FIG. 36

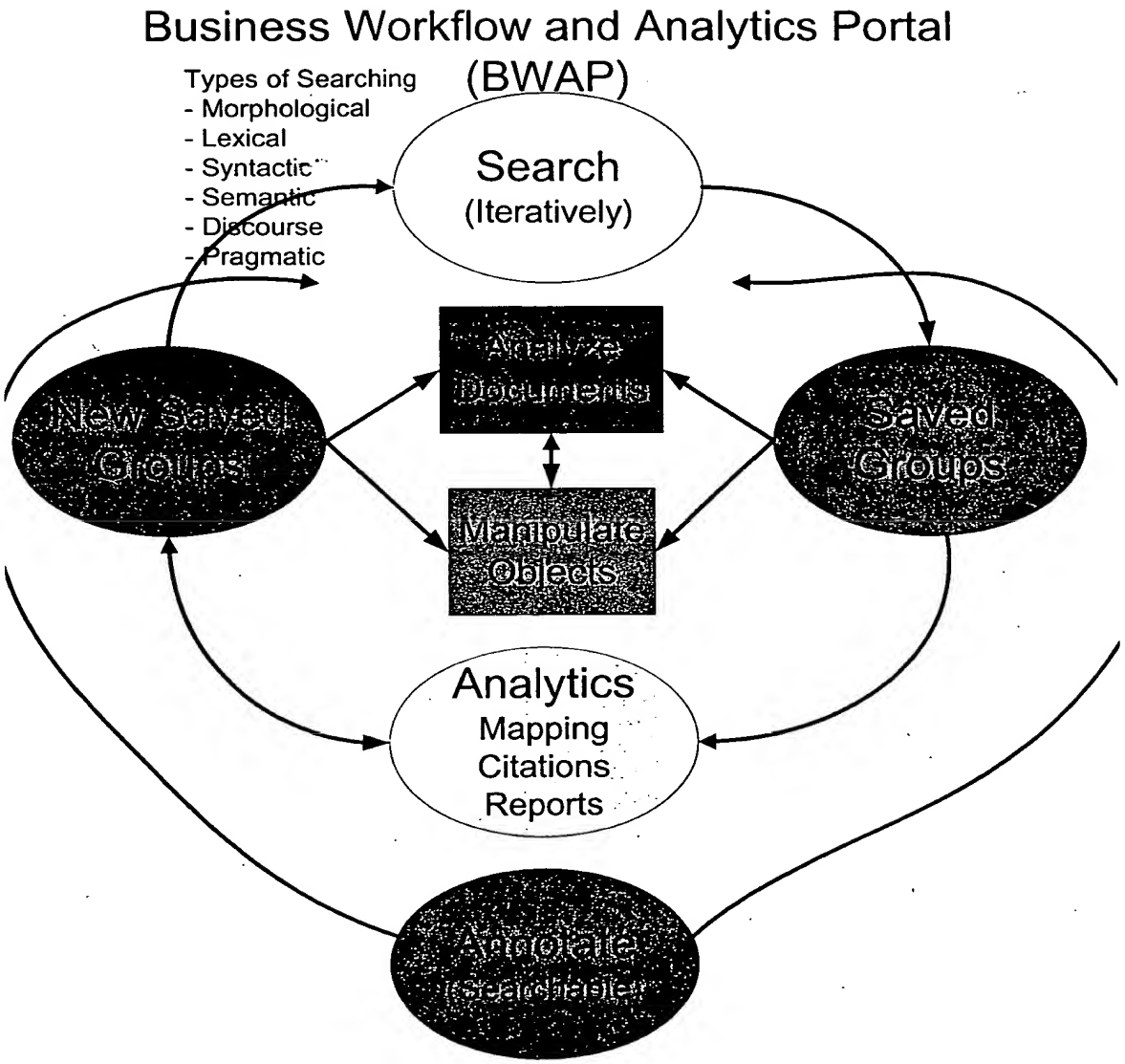

Business Workflow and Analytics Portal
(BWAP)
Types of Searching
- Morphological
- Lexical
- Syntactic
- Semantic
- Discourse
- Pragmatic
Search
(Iteratively)
Analyze
Documents
New Saved
Groups
Saved
Groups
Manipulate
Objects
Analytics
Mapping
Citations
Reports
Annotate

FIG. 37